



State of California

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THE RESOURCES AGENCY *20 1966*

Department of Water Resources

BULLETIN No. 21-64

IRRIGATION
AND WATER STORAGE DISTRICTS
IN CALIFORNIA: 1964

DECEMBER 1965

HUGO FISHER
Administrator
The Resources Agency

EDMUND G. BROWN
Governor
State of California

WILLIAM E. WARNE
Director
Department of Water Resources

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Department of Water Resources

ORGANIZATION BULLETIN No. 21-64

DESTRUCTION BY IRRIGATION

AND WATER STORAGE DISTRICTS TABLES OF IN CALIFORNIA: 1964

DECEMBER 1965

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Director
Department of Water Resources

WILLIAM E. WARREN
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Population 4,000 in Water Resources

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Ministère des Affaires

BULLETIN NO. 51-64
WATER RESOURCES
IRRIGATION
AND WATER STORAGE DISTRICTS
IN CALIFORNIA: 1964

DECEMBER 1969

STATE OF CALIFORNIA
THE RESOURCES AGENCY

Bulletin of Water Resources

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STATES
(Going up to Dec 1969)

INVESTIGATION AND MEDEVAC SPOTS/SE DISTRIBUTION, 1969

DEPARTMENT OF WATER RESOURCES

P. O. BOX 388
SACRAMENTO

CALIFORNIA WATER COMMISSION

RALPH H. BROWN, Chairman
EDWARD F. HANNAH, Vice Chairman

WILLIAM E. WARNE, Director

September 24, 1965

Honorable Edmund G. Brown, Governor
and Members of the Legislature of
the State of California

Gentlemen:

Bulletin No. 21-64 of the Department of Water Resources, "Irrigation and Water Storage Districts in California, 1964", is the latest of a series of similar reports which have been published periodically since 1929.

Irrigation and water storage districts are required by law to submit annual reports of their operations and financial affairs to the California Districts Securities Commission. The statistical information in Bulletin No. 21-64 has been obtained from these reports.

This bulletin presents information concerning these districts for the year 1964 and a summary of significant legislation pertaining to future operations of irrigation and water storage districts.

Sincerely yours,

William E. Warne

Director

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

EDMUND G. BROWN, Governor

HUGO FISHER, Administrator, The Resources Agency

WILLIAM E. WARNE, Director, Department of Water Resources

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STATEWIDE PLANNING OFFICE

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CALIFORNIA WATER COMMISSION

RALPH M. BRODY, Chairman, Fresno

WILLIAM H. JENNINGS, Vice Chairman, La Mesa

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JOHN P. BUNKER, Gustine

IRA J. CHRISMAN, Visalia

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EDWIN KOSTER, Grass Valley

NORRIS POULSON, La Jolla

MARION R. WALKER, Ventura

-----O-----

WILLIAM M. CARAH
Executive Secretary

ORVILLE ABBOTT
Engineer

SUMMARY

As of December 31, 1964, there were 107 irrigation districts and 9 water storage districts in the State. These districts encompassed a total area of approximately 4,666,000 acres. In 1964, the reporting districts diverted an estimated total of 12,634,000 acre-feet of water, of which approximately 8,327,000 acre-feet were delivered within the districts to irrigate some 2,172,000 acres of land. Water deliveries within the districts for domestic, industrial, and municipal uses amounted to approximately 129,500 acre-feet.

By way of comparison, these same districts reported diversions of approximately 14,309,000 acre-feet of water during 1963. Of this total 9,380,000 acre-feet were utilized to irrigate 2,480,000 acres and 121,000 acre-feet were delivered for domestic, industrial, and municipal purposes.

No new districts were organized during 1964, nor were there any reported dissolutions, annexations, or consolidations of districts.

A plate showing the general location of existing irrigation districts and water storage districts in California follows the tables of statistical data in this bulletin.

INTRODUCTION

Bulletin No. 21-64 presents statistical data concerning the activities of irrigation and water storage districts. The statistical data contained in this bulletin were extracted from annual reports which these districts are required by law to submit to the Department of Water Resources (Water Code Section 22337) and to the California Districts Securities Commission (Water Code Sections 20025 and 44429). These data summarize the physical operations of the various districts for the calendar year 1964. The Department has made no independent investigation to determine the accuracy of the data presented. Although many reports prepared by districts contained incomplete data, annual reports were available from all but three irrigation districts and eight water storage districts.

Information concerning financial transactions of the districts may be obtained from reports prepared annually by the State Controller. These reports are based on data furnished by the districts to the Controller pursuant to Sections 12463.1 and 53897 of the Government Code and Section 20025 of the Water Code.

FORMATION OF NEW DISTRICTS

There were no new irrigation districts or water storage districts organized during 1964; however, during the 1965 Session of the Legislature, Senate Bill 286, Chapter 746, was passed and signed into law which provided for the merger of the Westlands Water District (a California water district) and the Westplains Water Storage District. In order to achieve merger of the two districts, special legislation was required because neither District's principal act contained practicable merger provisions.

DISSOLUTION OF DISTRICTS

Department of Water Resources records indicate that there were no dissolutions during 1964 of either irrigation or water storage districts.

INCLUSIONS AND EXCLUSIONS

Minor boundary changes occurred during the 1964 season; however, none were of sufficient magnitude to warrant revisions of the plate showing the location of districts and which follows the statistical data in this bulletin.

Chapters 1 and 2 of Part 10 of Division 14 of the Water Code provide for the inclusion or exclusion of lands of water storage districts upon petition, hearing, and order of the Department of Water Resources. Commencing on July 1, 1965, water storage districts will conduct their own inclusion and exclusion hearings.

As of July 1, 1965, legislation was passed by way of Assembly Bill 592, Chapter 2043, of the 1965 California Statutes, which modifies inclusion and exclusion procedures for irrigation and other types of public districts. More detail will be found in the following section.

LEGISLATION AFFECTING DISTRICTS

Assembly Bill 20, Chapter 1, confers specific authority upon water storage districts to cooperate and contract with districts other than water storage districts for a water supply. Prior to July 1, 1965, water storage districts were required to file reports on such contracts with the Department of Water Resources. As of that date, they are required to file such reports with the Districts Securities Commission.

Provisions of the California Water Storage District Law are made also applicable to contracts with other districts. They include provisions pertaining to the appointment of assessment commissioners and preparation of assessment rolls to finance contractual obligations. Also affected are provisions governing the collection of charges to make payments under contracts, the preparation of assessment rolls, and establishment of reserve funds to finance contracts. Assembly Bill 20, Chapter 1, expressly authorizes water storage districts to contract for a water supply from other districts as original sources or as intermediate agencies supplied by the State or the United States.

Assembly Bill 364, Chapter 897, adds Chapter 2.5 to Division 1 of Title 6 of the Government Code as the Districts Securities Investigation Law of 1965. Chapter 2.5 requires Districts Securities Commission investigation of the affairs of districts, followed by a report and approval of the Commission prior to the issuance of bonds by districts whenever the amount

of outstanding district indebtedness, plus the principal amount of proposed bonds would exceed 200 percent of the assessed value of real property within the District.

Prior investigation, report, and approval is also required by the Securities Commission when the number of registered voters within a district represent a ratio of less than one registered voter for each two acres of territory within a district or there are less than 500 registered voters within a district.

The Districts Securities Investigation Law of 1965 expressly exempts from compliance with its provisions the State, any city, county, school district, or other governmental body as defined in Government Code Section 58751. Any district which proposes to issue bonds under any law requiring the approval of the Commission or an investigation and report by the Commission prior to the issuance of bonds is also exempt.

Assembly Bill 365, Chapter 896, amends the Districts Securities Commission Law to add the State Treasurer and a person experienced in the affairs of a district supplying water for domestic use to membership on the Commission. Authority is newly conferred upon the Commission to periodically establish a fee schedule which will result in the collection of sufficient funds to cover the cost of performing commission functions under the law. Irrigation districts, as well as California and county water districts, are expressly made subject to the fee payment requirements of the Districts Securities Commission Law, as amended.

Assembly Bill 592, Chapter 2043, of the 1965 California Statutes, is designated the "District Reorganization Act of 1965". Its purpose is to provide, insofar as is practicable at this time, a uniform, complete procedure for accomplishing changes in the territorial jurisdiction of special districts, such as inclusion, exclusion, consolidation, merger, annexations, including the creation of new special districts and disincorporation of existing special districts. The existing powers and duties of local agency formation commissions to supervise formation and annexation proposals are expanded to include approval of mandatory and permissive resolutions involving proposals for changes of organization or reorganization.

Assembly Bill 1892, Chapter 2019, the Uniform District Election Law, provides uniform pre-election, election, and post-election procedures for the election of officers of special districts. It applies only to districts and agencies whose principal acts so provide. The Uniform District Election Law is a synthesis of the election procedures contained in certain general and special district principal acts. It attempts to provide uniformity in the area of special district election law. The Law designates the

first Tuesday after the first Monday in November in each odd-numbered year as the date upon which a district's voters choose successors to those elective officers whose term of office will expire the following December.

TABLES OF STATISTICAL DATA

The following tables contain statistical data of field operations obtained from the annual reports of California irrigation and water storage districts for the year 1964:

Table I presents data on water supply, water storage, and distribution of water supplies.

Table II sets forth data on irrigated acreage dry-farmed acreage, double-cropped acreage, and types of crops grown in the districts.

Table III is a directory of California irrigation and water storage districts.

TABLE I
SUPPLY, STORAGE AND DISTRIBUTION OF WATER
Calender Year 1964
Irrigation Districts

Name of district	Sources of water supply	District pumping units				Reservoir Storage, in acre-feet			Water diverted by district, in acre-feet				Water reported delivered, in acre-feet				Water lost and/or spilled, in acre-feet			
		Wells		Other		Total net usable reservoir storage space	Maximum during runoff season	From Wells		From surface sources	Purchased from others	Total diverted	Inside district		Ground water replenishment	Outside district				
		Number	Average lift, in feet	Number	Average lift, in feet			End of season	For irrigation & domestic use				Irrigation	Domestic, municipal industrial						
Alpaugh	District Wells and C.V.P. ^{2/}	33	300	--	--	150,000	147,185	21,128	20,732	--	148	21,180	13,225	65	---	5,275	2,615			
Alta	Kings River and C.V.P. ^{2/}	--	--	13	12	---	---	---	---	125,757	---	125,757	125,757	---	---	---	---			
Anderson-Cottonwood	Sacramento River	--	--	31	116	---	---	---	2,000	170,090	170,090	106,136	---	---	---	63,651	63,651			
Banta-Carbona	San Joaquin River, Wells, and C.V.P. ^{2/}	8	25	31	116	---	---	---	55,257	14,000	71,257	50,400	---	10,191	10,666	---	---			
Bard	Colorado River (Yuma Project)	--	--	--	--	---	---	---	---	Not reported	---	---	---	---	---	---	---			
Beaumont	Little San Gorgonio Creek and Wells	15	--	--	--	---	---	---	4,029	---	4,029	1,899	1,481	---	---	---	149			
Big Springs*	Big Springs and Wells	1	66	2	46	---	---	---	1,800	e	6,000	7,800	e	7,200	600	e	600			
Big Valley	Pit River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Brown Valley	North Fork Yuba River	--	--	--	--	53,600	56,000	7,600	26,153	---	26,153	20,000	---	500	500	---	500			
Butte Valley	Butte Creek, Antelope Cr., and Wells	19	45	--	--	---	---	16,410	1,240	---	17,650	14,120	---	3,530	3,530	---	3,530			
Byron-Bethany	San Joaquin (Old River)	17	28	18	65	---	---	---	45,700	---	45,700	32,867	---	---	---	12,833	12,833			
Camp Far West	Bear River	No Annual Report	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Carmichael	American River and Wells	5	100	4	35	---	---	1,330	---	9,900	681	11,230	1,700	9,530	20	---	169			
Carpenter	Santiago Creek	--	--	--	--	6,250	2,820	4,135	66,872	566,070	36,813	569,785	513,788	32,051	93,946	93,946	93,946			
Central California	San Joaquin River, Wells, and C.V.P. ^{2/}	46	60	8	10	---	---	---	---	---	---	---	---	---	---	---	---			
Citrus Heights	American River, (S.J.S.W.D.) ^{3/} and Wells	7	106	--	--	23,700	89,200	2,104	10,950	114,072	23,700	34,650	34,200	680	150	---	---			
Consolidated	Kings River, C.V.P. ^{2/}	--	--	--	--	120,000	38,166	12,937	48,374	31,134	11,532	115,604	86,704	---	28,900	28,900	28,900			
Corcoran	Kings River, Cross Cr., and Wells	39	218	--	--	39,000	38,166	12,937	48,374	51,454	6,488	85,996	72,527	1,455	1,455	13,669	13,669			
Cordus	Yuba River	--	--	--	--	---	---	---	---	8,730	8,730	8,730	8,730	1,455	1,455	1,455	1,455			
Deer Creek	Deer Creek	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---	---			
Delano-Kerman	C.V.P. ^{2/}	--	--	80	35	---	---	---	---	122,011	122,011	120,712	680	619	619	619	619	619		
Ducor 1/	District Wells	3	60	0	0	---	---	---	---	---	---	Not reported	---	---	---	---	---			
Durham	San Joaquin River (Old River) and Wells	12	82	44	92	---	---	---	3,950	3,952	37,970	136	46,008	38,795	107	7,106	7,106	7,106		
East Contra Costa	District Wells	34	96	2	7	---	---	11,502	11,502	136	453	15,091	15,091	107	7,106	7,106	7,106			
El Dorado	So. Fk. Amer. R., Webber Cr., Sly Park Proj.	--	--	--	--	1,650	1,650	0	---	4,500	21,596	26,096	14,230	2,695	331	8,810	8,810	8,810		
Elk Grove 1/	Wells and Merced I.D.	9	130	--	--	---	---	2,303	---	5,205	7,508	Not reported	2,031	---	---	---	---	---		
El Nido	Kings River	--	--	1	4	13,000	8,031	1,084	---	6,770	6,770	6,770	5,477	1,693	1,693	1,693	1,693	1,693		
Empire West Side	C.V.P. ^{2/}	--	--	24	40	---	---	---	---	18,361	18,361	16,311	14,550	2,050	2,050	2,050	2,050	2,050		
Fair Oaks	American River (S.J.S.W.D.) ^{3/} and Wells	7	144	--	--	119,000	73,004	17,790	14,000	368,208	8,200	12,200	368,210	480	91,220	91,220	91,220	91,220		
Fresno	Kings River, Wells, and C.V.P. ^{2/}	1	48	--	--	---	---	32	---	---	---	Not reported	---	---	---	---	---			
Galt	Sacramento River	--	--	16	6	---	---	---	---	699,600	50,000	719,600	718,060	9,624	21,916	21,916	21,916	21,916		
Glenn-Colusa	Shasta River	--	--	5	94	---	---	---	---	9,100	9,100	9,100	4,550	e	4,550	4,550	4,550	4,550		
Holiday Hills Valley*	San Diego R., Colo. R. (S.D.C.W.A.) ^{4/} and Wells	10	85	47	--	31,930	7,063	6,548	---	287	25,221	25,508	23,336	2,172	2,172	2,172	2,172	2,172		
Hot Springs Valley	Pitt River and Big Sage Reservoir	--	--	--	--	77,000	37,500	21,300	---	---	---	---	---	---	---	---	---			
Imperial	Colorado River	1	90	315	8	---	---	---	683	4,556,925	14,557,608	13,200	2,380,826	19,688	1,496,267	660,827	213	213		
Ivanhoe	C.V.P. ^{2/}	--	--	--	--	---	---	---	12,786	12,786	12,786	11,621	952	952	952	952	952	952		
Jackson Valley	Jackson Creek and Mokelumne River	--	--	--	--	---	---	---	---	9,700	57,197	67,197	67,197	19	19	19	19	19		
James	Fresno Slough, Wells, and C.V.P.	60	135	18	10	---	---	---	---	110	39	227	227	221	221	6	6	6		
Kings River Delta*	Kings River	--	--	2	250	2	2	0	78	110	39	227	227	221	221	6	6	6		
Kimeloa	Springs, Wells, & Colorado River (M.W.D.) ^{5/}	1	300	10	303	11	11	11	122	52	2,217	2,217	2,121	2,093	2,093	2,093	328	328	328	
La Canada	Pickens Canyon, Wells, and Colo. R. (M.W.D.) ^{5/}	3	235	10	303	11	11	11	122	52	2,217	2,217	2,121	2,093	2,093	2,093	328	328	328	
Laguna Lakeside	Kings River	--	--	--	--	44,000	38,513	682	---	12,276	2,398	14,674	14,674	1,055	1,055	1,055	1,055	1,055	1,055	
Lemoore*	Colorado River (S.D.C.W.A.) ^{4/}	--	--	--	--	---	---	---	---	---	1,055	1,055	1,055	1,055	1,055	1,055	1,055	1,055	1,055	
Linden	Kings River (Lemoore Canal Co.)	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---	---	---		
Lindmore	Calaveras River	--	--	--	--	---	---	274	---	---	14,279	14,553	14,617	14,617	14,617	14,617	14,617	14,617	14,617	14,617

* Inactive
e Estimate made by district, or based on data presented in annual report.
1/ District is not operating as it has not obtained a water supply.
2/ Central Valley Project
3/ San Juan Suburban Water District
4/ San Diego County Water Authority
5/ Metropolitan Water District

TABLE I (continued)

SUPPLY, STORAGE AND DISTRIBUTION OF WATER

Calender Year 1964

Irrigation Districts

Name of district	Sources of water supply	District pumping units				Reservoir Storage, in acre-feet			Water diverted by district, in acre-feet				Water reported delivered, in acre-feet				Water lost and/or spilled, in acre-feet	
		Wells		Other		Total net usable reservoir storage space	Maximum during runoff season	End of season	From Wells	For irrigation & domestic use	For drainage	From surface sources	Purchased from others	Total diverted	Irrigation	Domestic, municipal, industrial	Ground water replacement	
		Number	Average lift, in feet	Number	Average lift, in feet													
Lindsay-Strathmore	Kaweah River, Wells and C.V.P. ^{b/}	8	--	19	140	--	--	--	156	--	8,917	35,515	44,588	25,797	938	--	12,500	5,353
Littlerock Creek	Littlerock Creek and Wells	7	232	1	14	1,650	1,565	0	1,225	--	1,842	3,067	2,681	355	--	--	31	
Lower Tule River	Tule River and C.V.P. ^{b/}	--	--	--	--	39,000	11,120	0	--	--	17,729	124,406	112,135	100,475	--	--	--	41,660
Lucerne*	Kings River (Last Chance Ditch)	--	--	5	15	--	--	--	--	--	--	115,000	115,000	96,721	--	--	--	18,279
Madera	Fresno River and C.V.P. ^{b/}	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Maxwell	Sacramento River (Glenn-Colusa I.D.)	--	--	15	5	--	--	--	--	--	24,000	--	24,000	20,000 ^{a/}	--	--	--	4,000 ^{a/}
Mendota*	San Joaquin River	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Merced ^{2/}	Merced River and Wells	157	46	9	--	281,200	219,150	510	100,200	1,400	429,300	--	530,900	446,400	--	--	84,500	
Modesto	Tuolumne River and Wells	97	37	9	8	107,600	88,100	19,600	93,080	1,490	247,200	340,770	231,550	--	--	--	109,220	
Mokelumne River ^{3/}	Mokelumne River	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Montague Water Conservation	Shasta River	--	--	--	--	50,000	28,100	2,925	--	--	21,367	--	21,367	13,673	420	--	--	7,274
Maple-Burk	San Joaquin River (Old River)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nevada	Yuba R., Bear R., Wells & Tributaries (PG&E)	2	53	11	62	126,438	124,547	46,017	51	--	146,223	21,539	167,813	69,111	4,840	7,369	86,493	
Oakdale	Stanislaus River and Wells	25	85	2	32	118,800	118,800	35,112	45,929	1,198	280,102	--	327,529	212,130	1,530	113,569	1,016	
Orange Cove	C.V.P.	--	--	--	--	--	--	--	--	--	39,200	--	39,200	33,684	4,900	--	--	
Groveline-Wyandotte	South Fork Feather River	2	50	11	230	164,620	164,551	72,952	--	--	39,678	--	39,678	4,709	2,128	5,257	27,584	
Palmade	Littlerock Creek	14	560	2	40	4,211	2,287	1,033	4,011	--	413	--	4,273	395	3,878	841		
Palm Ranch	District Wells	3	600	1	200	--	--	--	955	--	--	--	--	955	359	596	--	
Palo Verde	Colorado River	--	--	10	7	--	--	--	--	--	928,930	--	928,930	435,100	--	493,830		
Paradise	Little Butte Creek	--	--	3	--	8,800	8,800	2,800	--	--	6,000	--	6,000	900	5,100	--	--	
Pixley	C.V.P. ^{b/}	--	--	5	8	75,000	27,908	--	--	--	7,071	20,950	28,024	22,506	--	3,318	2,200	
Porterville	Tulare River	--	--	10	5	--	--	--	--	--	2,240	7,982	10,222	--	--	--		
Potter Valley	Eel River (PG&E Co. Power Div.)	2	10	11	11	--	--	--	--	--	74,736	200	74,936	49,936	--	25,000		
Princeton-Codora-Glenn	Sacramento River (Glenn-Colusa I.D.)	--	--	18	10	--	--	--	--	--	93,402	4,950	98,352	89,916	--	4,906	3,500	
Provident	Sacramento River (Glenn-Colusa I.D.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ramona	District Wells & Ramona Mun. Water District	47	160	16	--	--	--	--	90	--	115	--	235	--	235	--	--	
Ridgeway	Feather River	--	--	16	7	--	--	--	--	--	125,131	1,566	126,697	113,907	121	12,669		
Riverville	Kings River (Murphy Slough)	--	--	18	115	22,000	15,573	0	--	--	15,573	4,593	20,166	11,166	--	6,000		
San Dieguito	San Dieguito R. & Colorado R. (S.D.C.W.A.) ^{5/}	--	--	3,200	3,200	3,200	3,200	--	--	--	4,048	4,048	1,722	1,971	352	800		
Santa Fe	San Dieguito R. & Colorado R. (S.D.C.W.A.) ^{5/}	--	--	80	21	--	--	--	--	--	4,517	4,517	2,712	1,005	--	--		
Sausalito	Deer Creek and C.V.P.	--	--	22	12	--	--	--	--	--	523	28,345	28,868	28,868	--	--	--	
Scott Valley	Scott River	--	--	2	2	--	--	--	--	--	15,000	485	15,000	15,000	--	--	--	
Serrano	Santiago R., Wells & Colorado R. (MWD)	2	300	5	10	6,250	485	0	263	--	1,118	2,196	1,933	263	--	--	--	
Shafter-Wasco	C.V.P. ^{b/}	--	--	10	--	--	--	--	--	--	55,123	55,123	55,123	55,123	--	--	--	
Solano	Wells and Solano Project	13	100	118	40	--	--	--	4,996	--	1,201	127,613	133,810	118,888	3,188	--	11,734	
South Bay	Sweet River & Colorado River (S.D.C.W.A.) ^{5/}	--	--	--	--	22,240	22,240	6,000	--	--	20,610	--	20,610	20,610	--	--	--	
South Fork	South Fork Pit River	--	--	--	--	--	--	--	--	--	20,610	--	20,610	20,610	--	--	--	
South Montebello	District Wells	5	175	--	--	184,800	180,991	73,354	32,243	--	277,419	--	309,662	258,004	--	4,000	47,658	
South San Joaquin	Stanislaus River and Wells	45	35	--	--	--	--	--	--	--	--	--	--	--	--	--		
Stinson	Kings River and Wells	21	100	--	--	--	--	--	--	--	277,419	--	309,662	258,004	--	4,000	47,658	
Stone Corral	C.V.P. ^{b/}	--	--	20	50	--	--	--	--	--	9,962	9,962	8,312	--	1,620	--		
Stratford	Kings River	--	--	1	6	11,000	7,725	3,674	--	--	4,880	17,400	22,280	9,538	--	12,712		
Table Mountain	Feather River	--	--	--	--	5,000	5,000	1,000	--	--	3,850	3,850	3,850	3,850	50	--		
Terra Bella	District Wells and C.V.P. ^{b/}	30	150	29	--	--	3,695	3,561	613	1,495	--	11,214	15,709	15,025	611	43	--	
Thermalito	Feather River, Concow Creek and C.V.P. ^{b/}	4	153	--	--	--	--	--	--	--	2,585	2,585	344	1,378	--	863		
Tranquillity	Fresno Slough, Wells and C.V.P. ^{b/}	11	115	13	8	--	95,188	9,621	0	1,424	--	20,200	10,443	32,067	31,211	316	510	
Tulare	Kaweah River and C.V.P. ^{b/}	--	--	--	--	--	--	--	--	--	22,005	95,188	117,493	100,312	--	17,181		
Tule	Susan River and Eagle Lake	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Tulelake	Lost River and Klamath River	--	--	70	8	--	--	--	--	--	208,007	454,119	603,748	117,653	459,747	3,000	87,354	
Turlock	Tuolumne River and District Wells	176	50	16	15	223,000	193,289	53,982	132,976	16,623	--	--	--	--	4,116	--	139,885	

*Inactive

^{a/} Includes an estimated 4,000 acre-feet delivered to duck clubs.^{b/} Data reported is for irrigation operation only.^{c/} Present motto of this district is to protect water rights and provide flood control.

Irrigation within the district is accomplished on an individual basis.

^{d/} Central Valley Project^{e/} San Diego County Water Authority

TABLE I (continued)

SUPPLY, STORAGE AND DISTRIBUTION OF WATER

Calender Year 1964

Irrigation Districts

Name of district	Sources of water supply	District pumping units				Reservoir Storage, in acre-feet			Water diverted by district, in acre-feet				Water reported delivered, in acre-feet				Water lost and/or spilled, in acre-feet		
		Wells		Other		Total	Storage	From Wells		For drainage		From surface sources	Purchased from others	Total diverted	Irrigation	Domestic, municipal, industrial	Ground water replenishment	Inside district	Outside district
		Number	Average lift, in feet	Number	Average lift, in feet	net usable reservoir storage space	Maximum during runoff season	End of season	For irrigation & domestic use	For drainage									
Vandalia	Tule River and Wells	18	280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Vista	San Luis Rey R. and Colorado R. (S.D.C.W.A.) ^{1/}	24	180	4	100	194,323	6,089	5,184	2,134	8,180	2,134	2,053	81	—	—	—	—	4,127	
Walnut	San Gabriel River and Wells	1	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Waterford	Tuolumne River	6	92	—	—	—	—	—	—	7,731	—	32,558	40,289	32,485	—	—	—	—	7,804
Westside, The	San Joaquin River, Wells and C.V.P. ^{2/}	5	54	9	90	—	—	—	—	3,180	400	37,691	2,100	43,371	42,155	—	—	625	591
West Stanislaus	San Joaquin River, Wells and C.V.P. ^{2/}	7	75	35	98	—	—	—	6,000	5,000	52,404	43,079	106,483	89,075	—	—	7,446	9,962	
Woodbridge	Mokelumne River and Wells	2	43	2	12	—	—	—	140	—	78,862	—	79,002	—	—	—	—	—	

Water Storage Districts

Arvin-Edison	Private wells	—	—	—	—	—	—	—	—	—	—	57,775	—	57,775	—	—	—	—
Bellbridge	Kern River (Buena Vista Lake) and C.V.P. ^{2/}	—	—	7	3	207,250	52,368	4,895	—	—	—	—	—	—	—	—	—	3,441
Buena Vista	Kern River	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
North Kern	Private wells	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rosedale-Rio Bravo	Private wells	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Semtropic	C.V.P. ^{2/} private wells	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tulare Lake Basin	Private wells	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Westplains	Private wells	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wheeler Ridge-Maricopa	Private wells	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

^{1/} San Diego County Water Authority^{2/} Central Valley Project

TABLE II

CROP REPORTS

Calendar Year 1964

Irrigation Districts

Name of district	Gross area	IRRIGATED CROPS IN ACRES											Irrigated land		Idle or fallow lands						
		Alfalfa	Other pasture	Grains and hay	Rice	Cotton	Other field crops	Truck crops	Deciduous fruits and nuts	Sub-tropical fruits 1/	Vineyards	Not segregated	Gross acreage cropped	Double cropped	Net cropped	Dry farmed 2/	Normally irrigated	Normally dry farmed			
Alpaugh	8,131	1,427	625	3,542	—	3,143	845	1,106	10,612	4,106	31,584	14,300	9,542	445	9,137	10,440	5,118	—			
Alta	129,300	10,108	8,114	—	—	20,723	3,547	—	—	—	60	17,000	10,440	—	—	1,000	16,000	1,100	—		
Anderson-Cottonwood	32,113	450	11,700	250	—	—	400	275	—	—	—	865	15,368	778	—	11,570	—	—	—		
Banta-Carbona	15,700	1,107	109	770	—	—	3,228	3,651	3,483	—	—	—	—	—	—	—	—	—	—		
Bard	6,792	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Beaumont	4,827	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Big Springs	3,570	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Big Valley*	18,676	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Browns Valley	12,632	—	3,200	—	—	—	—	—	—	100	—	—	—	3,600	—	—	3,600	300	—	—	
Butte Valley	5,300	1,100	500	1,300	—	—	—	—	—	1,120	—	—	120	4,110	—	—	4,110	—	—	—	
Byron-Bethany	17,017	No Annual Report	1,710	1,725	—	—	1,118	809	1,666	—	—	—	—	10,042	1,260	8,782	—	55	—		
Camp Far West	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Carmichael	4,555	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Carpenter	2,635	—	25	—	—	—	—	—	—	50	—	—	—	—	—	—	—	563	—	—	
Central California	154,100	36,690	19,914	24,551	8,889	16,280	12,462	22,369	5,337	488	—	—	7,188	153,680	30,930	122,750	—	—	—		
Citrus Heights	4,530	No crop report	—	—	—	—	—	—	—	—	—	—	—	131,280 ^{3/}	—	—	—	—	—	—	
Consolidated	151,160	6,930	3,217	—	—	—	12,052	3,590	—	15,807	660	92,024	—	31,800	—	—	31,800	—	—	—	
Corcoran	51,600	3,690	1,070	17,100	—	10,790	1,850	—	—	240	—	—	—	6,281	—	—	6,281	—	—	—	
Cordua	8,023	—	2,005	—	3,915	—	—	121	—	—	—	—	1,613	—	—	1,613	475	1,138	475		
Deer Creek	2,186	e 300	e 900	—	—	—	e 200	e 125	e 88	—	—	—	—	—	—	—	—	—	—		
Delano-Earlimart	56,575	2,872	255	2,917	—	11,000	936	4,505	415	431	28,847	—	52,208	2,607	49,604	—	2,161	26	—		
Ducor	9,567	No crop survey made	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Durham	101	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
East Contra Costa	20,000	—	—	—	—	—	—	—	—	—	—	—	—	16,556	16,556	2,130	11,126	—	—		
El Camino	7,517	220	4,000	—	—	—	—	—	—	—	300	—	—	1,280	5,800	—	5,800	500	—	—	
El Dorado	52,728	—	1,113	—	—	—	—	—	—	—	—	—	—	430	4,470	—	4,470	6,933	—	—	
Elk Grove	72,334	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
El Nido	10,000	2,010	2,296	583	—	1,628	1,123	65	168	—	—	—	—	8,203	8,203	450	8,203	450	—	—	
Empire West Side	7,632	1,903	36	3,526	—	1,159	1,18	—	—	—	—	—	—	6,972	6,972	—	6,972	160	—	—	
Exeter	14,638	54	172	—	—	371	149	28	147	6,139	3,724	1,994	12,778	—	—	—	—	98	—	—	
Fair Oaks	4,608	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Fresno	235,520	No crop survey made	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Galt	31,000	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Glenn-Colusa	159,710	6,022	12,116	—	64,692	—	6,057	150	1,188	—	—	—	15,613 ^{5/}	106,198	—	106,198	900	32,316	3,869	—	
Grenada	1,775	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Helix	31,466	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hills Valley*	2,610	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hot Spring Valley	11,879	2,533	6,070	458	—	—	—	—	—	—	—	—	—	9,061	2,533	6,528	—	—	—	—	
Imperial	909,193	209,443	11,976	78,824	—	67,899	116,074	56,161	2,450	2,236	3	548,366	125,865	122,501	10,180	—	—	—	—	—	—
Ivanhoe	10,862	—	61	332	—	—	55	43	786	6,816	2,357	—	—	—	—	—	—	—	—	—	
Jackson Valley	12,930	—	20	9,093	1,600	7,830	3,508	401	—	—	—	—	—	20	23,503	2,835	20,668	—	605	—	
James	26,124	797	274	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Kings River Delta*	—	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Kinneloa	500	Urban	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
La Canada	1,468	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Laguna Lakeside	35,000	12,000	1,000	2,247	—	7,500	1,200	—	—	2,000	—	—	—	25,947	—	25,947	8,645	—	—	—	
Lemore*	52,300	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Linden*	4,000	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lindmore	27,257	1,455	502	1,036	—	3,636	1,337	—	1,064	12,613	2,338	1,748	25,726	677	25,049	5	854	—	—	—	
Lindsay-Strathmore	15,430	—	214	160	—	338	—	107	23	12,156	—	535	13,510	—	13,510	50	—	264	—	—	
Little Rock Creek	43,290	30	33	—	—	—	—	447	1,891	12	2,333	—	51	584	—	584	—	—	—	—	
Lower Tulare River	103,087	21,447	8,933	15,495	342	27,736	11,915	1,297	1,891	—	—	—	91,401	7,268	81,133	—	2,310	561	—		
Lucerne*	—	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Madera	112,183	14,443	9,138	3,655	—	21,388	4,968	2,691	5,312	604	30,601	17	93,817	—	93,817	892	4,189	1,400	—	—	
Maxwell	11,278	—	—	—	5,000	—	1,400	—	—	—	—	—	2,000 ^{4/}	8,400	—	8,400	—	—	—	—	
Mendota*	67,089	No Annual Report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mered	163,864	14,639	14,095	6,281	5,297	1,911	3,383	6,573	21,986	—	8,671	6,477	116,253	7,286	108,967	3,458	—	—	—	—	
Modesto	91,380	7,489	—	—	—	—	—	—	—	—	—	—	67,873	75,362	8,971	66,391	—	—	—	—	
Mokelumne River	1,416	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Montague Water Conservation	19,728	1,909	3,593	1,239	—	—	—	—	—	—	—	—	530	7,271	—	7,271	660	—	—	—	
Naglee-Burke	2,873	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Nevada	269,000	—	15,090	—	100	—	—	—	—	2,588	—	—	508	18,286	—	18,286	—	—	—	—	
Oakdale	72,345	877	44,966	700	3,706	—	3,214	1,312	855	4,116	—	39	315	761	57,216	56,485	265	612	—	—	
Orange Cove	27,305	198	307	—	—	—	—	1,226	764	1,880	13,496	2,085	23,170	—	23,170	—	—	2,243	—	—	

(e) Estimated

Inactive

(Urban) Development within the district is entirely or predominantly urban.

1/ The "Subtropical fruits" class includes citrus fruit, olives, avocados and dates.

2/ Dry or native pasture not included.

3/ These are 1961 crop figures.

4/ Contains 2,000 acres in duck ponds.

5/ Contains 2,739 acres in duck ponds.

6/ 185 acres in duck ponds.

TABLE II (continued)

CROP REPORTS

Calendar Year 1964

Irrigation Districts

Name of district	Gross area	IRRIGATED CROPS IN ACRES											Irrigated land			Idle or fallow lands	
		Alfalfa	Other pasture	Grains and hay	Rice	Cotton	Other field crops	Truck crops	Deciduous fruits and nuts	Sub-tropical fruits 1/	Vineyards	Not segregated	Gross acreage cropped	Double cropped	Net farmed 2/	Normally irrigated	Normally dry farmed
														Dry farmed	farmed 2/	dry farmed	dry farmed
Groveland-Wyandotte	29,764	—	290	—	—	—	—	45	2	165	3,950	—	54	4,919	—	—	—
Palmdale	73,731	—	—	2	—	—	—	—	11	—	—	—	60	60	—	—	—
Palm Ranch	1,013	—	—	—	—	—	—	—	210	—	—	—	210	210	—	—	—
Palo Verde	124,231	31,445	1,866	16,563	—	20,572	11,717	11,976	3	—	—	—	674	94,916	12,259	82,657	—
Paradise	11,250	—	—	—	—	—	—	—	—	—	—	650	650	650	650	—	—
Pixley	69,552	No crop survey made	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Porterville	17,107	2,906	537	—	—	—	4,072	1,594	580	2,736	115	1,516	—	11,086	—	784	227
Potter Valley	5,608	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Princeton-Codora-Glenn	12,300	598	345	44	4,119	—	—	462	—	1,375	—	—	—	6,943	6,943	2,688	—
Provident	15,157	16	480	241	8,435	—	—	241	—	—	—	—	185	9,598	9,598	2,446	—
Ramona	667	Urban	—	—	—	—	—	—	—	—	1h	—	—	1h	1h	—	—
Richvale	25,996	—	102	—	12,808	—	—	—	—	—	—	—	25	12,935	—	—	—
Rivervale	15,025	3,750	700	3,585	—	3,550	—	3,700	—	—	—	—	15,285	1,450	13,835	—	200
San Diequito	4,958	—	—	—	—	—	—	—	600	—	645	—	30	1,275	—	—	—
Santa Fe	10,118	—	—	—	—	—	—	—	70	2,075	—	—	2,445	2,445	10	—	—
Sausalito	19,339	e 1,934	27	2,318	—	5,017	2,730	1,881	769	574	4,787	—	e 20,067	1,820	e 18,217	—	760
Scott Valley	5,131	3,431	e 570	e 1,130	—	—	—	—	—	—	—	—	5,131	—	5,131	—	—
Serrano	1,497	—	—	—	—	—	—	—	—	—	—	—	1,497	—	1,497	—	—
Shafter-Wasco	37,488	5,936	154	1,968	—	11,926	1,993	7,794	—	—	1,406	—	305	31,182	1,765	29,717	—
Solano	67,182	3,969	1,574	—	—	—	10,210	5,134	8,612	—	—	2,443	39,972	1,292	38,680	6,939	—
South Bay	15,874	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Fork	12,862	—	9,860	3,000	—	—	—	—	—	—	—	—	—	12,860	—	12,860	—
South Montebello	892	Urban	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South San Joaquin	71,242	6,874	10,854	3,714	—	—	1,329	2,019	20,751	—	12,906	1,927	60,404	424	59,980	1,231	—
Stinson	10,000	No crop survey made	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stone Corral	6,244	90	75	643	—	1,811	98	120	403	2,113	19	—	5,672	—	5,672	123	290
Stratford	9,773	570	2,800	—	—	4,000	—	—	—	—	—	—	2,061	9,431	—	9,431	—
Table Mountain	916	—	505	—	160	—	—	—	177	—	—	—	—	812	812	812	—
Terra Bella	12,325	60	91	540	—	397	105	76	184	7,152	—	10	7,645	—	7,645	100	—
Thermalito	3,100	—	120	—	—	—	—	—	5	115	—	20	190	180	180	—	—
Tranquillity	10,750	64	10	4,033	546	4,076	1,182	34	4	—	—	—	9,919	62,639	62,639	257	6,026
Tulare	74,975	18,653	4,003	—	—	24,298	3,034	105	1,997	—	1,215	9,334	—	—	—	—	6,026
Tule	No Annual Report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tulalake	93,119	5,958	2,155	39,634	—	—	3	11,670	—	—	—	—	794	60,215	—	60,215	—
Turlock	195,892	40,626	38,128	27,924	—	58	20,803	4,605	31,978	—	16,045	2,427	182,594	19,909	162,685	—	10,218
Vandalia	1,438	—	—	—	—	—	—	—	—	—	—	—	—	1,223	—	1,223	—
Vista	60,310	—	—	—	—	—	—	—	525	—	—	—	—	4,260	—	4,260	750
Walnut	500	No crop report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Waterford	10,644	220	335	—	—	112	55	2,787	—	—	362	—	286	6,819	110	6,709	—
West Side, The	11,885	3,870	978	1,013	—	406	2,816	834	—	—	—	—	9,947	615	9,332	169	—
West Stanislaus	22,429	4,148	279	2,719	—	—	1,413	13,974	3,369	—	—	—	40	25,942	2,440	23,502	—
Woodbridge	13,938	864	3,564	161	—	—	—	2,272	—	—	—	—	3,609	10,469	10,469	—	—

Water Storage Districts

Arvin-Edison	78,453	No report	—	—	—	—	—	—	—	—	—	—	—	32,806	1,733	31,073	—
Belridge	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Buena Vista	—	1,715	228	6,867	477	15,797	4,667	55	—	—	—	—	—	—	—	—	—
North Kern	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rosedale-Rio Bravo	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Semitropic	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tulare Lake Basin	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Westplains	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wheeler Ridge-Maricopa	—	No report	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(e) Estimated

* Inactive

(Urban) Development within the district is entirely or predominantly urban.

1/ The "Subtropical fruits" class includes citrus fruit, olives, avocados and dates.

2/ Dry or native pasture not included.

TABLE III

DIRECTORY OF CALIFORNIA IRRIGATION AND WATER STORAGE DISTRICTS

Calender Year 1964

Name of district	County	Estimated population			District officials				District office address
		Inside cities and towns	Outside cities and towns	Total	President	Secretary	Attorney	Manager or engineer	
Alpaugh	Tulare	600	600	1,200	Glenn C. Marshall	Irene McKee	Leroy McCormick	D. Keith Clotfelter (M&E)	Alpaugh, P. O. Box 127
Alta	Fresno, Tulare, Kings	15,000	10,000	25,000	William P. Boone	Anne M. Martzen	J. Thomas Crowe	Don Ames (M)	Almuba, P. O. Box 715
Anderson-Cottonwood	Shasta, Tehama	9,000	6,500	15,500	Walter E. McCabe	Robert S. Caton	Minasian & Minasian	Robert S. Caton (M)	Anderson, 2810 Silver Street
Banta-Carbona	San Joaquin	—	1,500	1,500	Edgar R. Thonding	Elvera Draper	Jacobs, Cavalero, Dietrich & Bray	J. Allan Hall (M)	Tracy, P. O. Box 299
Bard	Imperial	—	500	500	Endis Rice	Caroline B. Winder	—	—	Bard, P. O. Box 4
Beaumont	Riverside	5,934	3,072	9,006	James L. Walker	Margaret I. Olson	James M. Worts	Alva J. Taylor (M)	Beaumont, P. O. Box 2037
Big Springs	Siskiyou	—	120	120	Anton Machado	Mark M. Brawman	Mark M. Brawman	Joseph Margadonna (M)	Yreka, P. O. Box 485
Big Valley*	Lassen	1,280	320	1,600	E. G. Babcock	D. J. Leventon	James E. Pardee	William R. Giannelli (E)	Bieber, Box X-1
Brown Valley	Yuba	1,200	2,050	3,250	Charles M. Davis	Lila R. Cade	Kronick, Moskovitz & Vanderlaan	C. E. Magerus (M)	Brown Valley, P. O. Box 6
Butte Valley	Siskiyou	125	200	325	Howard Myers	Lenore C. Brook	George A. Tebbe	Walter Keele (M)	Macdoel, P. O. Box 86
Byron-Bethany	Alameda, Contra Costa, S. J.	625	2,000	2,625	M. R. Furtado	Ruth Santos	Minasian & Minasian	Fred Burns (M)	Byron, P. O. Box 273
Camp Far West	Placer	No Annual Report			William E. White	Thomas H. Underwood	Archie Hefner	Thomas H. Underwood (M&E)	Carmichael, P. O. Box AB
Carmichael	Sacramento	—	—	—	Donald L. Sexton	Melvin R. Clement	Rutan & Tucker	Jens N. Odgaard (M)	Orange, 1871A E. Center St.
Carpenter	Orange	5,600	1,100	6,700	Harry G. Fawcett	C. W. Bates	C. Ray Robinson	William Raznoff (M)	Loc Banos, 830 - 6th St.
Central California	Fresno, Merced, Stanislaus	18,000	20,000	38,000	James Neal Brown	Mrs. Dagney F. Prowell	William A. Sitton	Howard A. Nye (M)	Citrus Heights, P. O. Box 286
Citrus Heights	Sacramento	—	21,000	21,000	Kirby W. Hansen	Seth T. Stairs	William M. Miles	J. Clark Bishop (M)	Salina, P. O. Box 209
Consolidated	Fresno, Tulare, Kings	28,000	33,000	61,000	W. F. Turner	S. S. Whitehead	James K. Abercrombie	M. J. Gallagher (M)	Corcoran, P. O. Box 566
Corcoran	Kings	5,000	5,000	10,000	E. J. Michaels	Charles J. Schnoor	Rich, Fudge, Dawson & Marsh	Oscar Jones (M)	Marysville, P. O. Box 110
Cordua	Yuba	—	1,000	1,000	Albert Clark	Jerome D. Peters, Jr.	Jerome D. Peters, Jr.	—	Chico, 141 Salem St.
Deer Creek	Tehama	—	60	60	John L. Pritchett	James K. Abercrombie	Samuel C. Portier (M&E)	Delano, Route 1, Box 960	
Delano-Earlimart	Tulare, Kern	—	3,000	3,000	Paul Gerdes	Sara R. Parsons	Fred Strauss (E)	Ducor, P. O. Box 73	
Ducor	Tulare	—	—	—	Walter B. Wageman	Emmet A. Coon	Emmet A. Coon (M)	Durham, P. O. Box 98	
Durham	Butte	1,250	—	1,250	Charles B. Weeks	Margaret Davis	Jack E. Farmer (M)	Brentwood, P. O. Box 696	
East Contra Costa	Contra Costa	3,500	2,500	6,000	John Deming	Ella M. Knox	E. T. Williams (M)	Gerber, Rt. 1, Box 390	
El Camino	Tehama	—	1,050	1,050	H. K. Nelson	John L. Dunlop	George B. Maul	Placerville, P. O. Box 152	
El Dorado	El Dorado	15,250	1,400	16,650	Milton L. Johnston	Flora L. Doyle	Willard B. Treadwell	El Dorado, P. O. Box 889 El Dorado Blvd.	
Elk Grove	Sacramento	—	—	—	Gilman B. Spurr	C. G. Follett	Charles W. Jennings	El Nido, P. O. Box 64	
El Nido	Merced	—	—	—	Joseph R. Fabry	Floyd E. Brown	James K. Abercrombie	Lemoore, P. O. Box 667	
Empire West Side	Kings	—	110	110	L. L. Swearingen	Margaret J. Clements	George B. Maul	Exeter, P. O. Box 516	
Exeter	Tulare	4,500	1,300	5,800	Walter K. Waters	Florence B. Carter	Willard B. Treadwell	Fair Oaks, P. O. Box 383	
Fair Oaks	Sacramento	28,500	—	28,500	Robert Smith	Gustav Gerling	Charles W. Jennings	Fresno, P. O. Box 1065	
Fresno	Fresno	—	—	—	Ben O. Johnson	Paul M. Drinnell	Paul A. Briggs (M)	Herald, P. O. Box 187	
Galt	Sacramento	—	—	—	Kollin H. Phillips	Mark M. Brawman	Paul H. Willison (M)	Willows, P. O. Box 150	
Glenn-Colusa	Colusa, Glenn	1,200	2,300	3,500	—	—	C. L. Brown (M)	Yreka, P. O. Box 485	
Grenada	Siskiyou	—	220	220	—	—	Frank Bortolazzo (M)	La Mesa, P. O. Box 518	
Helix	San Diego	—	—	110,000	Harry C. Griffen	Margaret C. Penry	John Kelley (M)	Orange Cove, 261/73 E. American	
Hills Valley*	Fresno, Tulare	—	—	—	Fred Lybarger	Marion Long	Robert F. Carter (M)	Alturas, P. O. Box 1527	
Hot Spring Valley	Modoc	—	130	130	Tom Thompson	M. E. Walls	Howard Weekly (M)	El Centro, 580 State St.	
Imperial	Imperial	—	—	88,500	Edward H. Thomas	G. L. Dermody	Ivanhoe, 33777 Road 164		
Ivanhoe	Tulare	—	500	500	Clarence Scully	Howard Weekly	Byron M. Miller (M)	Ione, Rt. 1, Box 235	
Jackson Valley	Amador	—	—	—	Harold Hale	Henry Willy	John Kelley (M)	San Joaquin, P. O. Box 757	
James	Fresno	1,000	1,000	2,000	George A. Smith, Jr.	Don A. Wright	Robert L. Kent (M)	Paso Robles, 115 Fairview Lane	
Kings River Delta*	Kings	—	—	—	Laurence A. Dietzel	Gilbert D. McCann, Jr.	—	Passadena, 3127 E. Duyne Rd.	
Kimmelia	Los Angeles	0	500	500	Lee B. Kline	William Crabtree	R. Neal Batterson	La Canada, P. O. Box 37	
La Canada	Los Angeles	—	8,955	8,955	O. H. Kuckenbaker	Ruth Montgomery	William Crabtree (M)	Rivervale, P. O. Box 5065	
Laguna	Fresno, Kings	20,000	1,000	21,000	Arthur L. Foster	H. P. Schiller	H. P. Schiller (M)	Lakeside, P. O. Box 638	
Lakeside	San Diego	—	—	5,600	Maurice H. Hitchiss	T. A. Bettencourt	Lemoore, P. O. Box 667		
Lemoore*	Kings	5,000	5,000	10,000	G. C. Anderson	Fred B. Lemon	Linden, P. O. Box 585		
Linden*	San Joaquin	—	—	—	Frank Hill	Evelyn Haynes	Lindsay, P. O. Box 995		
Lindmore	Tulare	3,500	—	3,500	Dick Neese	W. C. Zimmerman	Donald F. Burr (M)	Lindsay, P. O. Box 1205	
Lindsay-Strathmore	Tulare	220	3,030	3,250	O. B. Hermle	Willis Young	Henry E. Suzuki (E)	Littlerock, P. O. Box 188	
Littlerock Creek	Los Angeles	1,400	—	1,400	Anton Simonich	Frances M. Doyal	Richard L. Schafer (M)	Porterville, P. O. Box 511	
Lower Tule River	Tulare	—	3,600	3,600	(Deceased)	Frederick G. Bandy	Frederick G. Bandy (M)	Hanford, P. O. Box 130	
Lacerne*	Kings	—	—	—	John A. Franchi	Peckinpah, Fryer & Kart	Madera, P. O. Box 217		
Madera	Madera	15,000	6,100	21,100	Leo A. Yates	Marjorie Rice Yates	Ralph W. Rutledge	Colusa, P. O. Box 182	
Maxwell	Colusa	—	50	50	N. G. Sheesley	Carl T. Christianson	Leo A. Yates (M)	Merced, P. O. Box 759	
Mendota*	Fresno	—	—	No Annual Report	Richard E. Penney	H. L. Brooks	Kenneth R. McSwain (M&E)	Modesto, P. O. Box 1371	
Merced	Merced	35,500	6,500	42,000	Niel C. Locke	Tom H. Louttit	C. E. Plummer (E)	Stockton, 906 California Bldg.	
Modesto	Stanislaus	50,000	15,000	95,000	—	—	—	—	
Mokelumne River	San Joaquin	—	—	—	—	—	—	—	

* Inactive
e Estimated
(M) Manager
(E) Engineer

TABLE III

DIRECTORY OF CALIFORNIA IRRIGATION AND WATER STORAGE DISTRICTS
(Continued)

Calender Year 1964

Name of district	County	Estimated population			District officials				
		Inside cities and towns	Outside cities and towns	Total	President	Secretary	Attorney	Manager or engineer	District office address
Montague Water Conservation	Siskiyou	900	265	1,165	S. A. Messmer	Doris Goerts	Tebbe, Correia & Kleaver	Stanley W. Wendt (M)	Montague, P. O. Box 247
Naglee-Burk	San Joaquin		No report	10,000	Joseph Salles	Alfred A. Souza	-----	-----	Tracy, 112 W. 10th St.
Nevada	Nevada, Placer	9,000	10,500	19,500	Warren S. Wilson	Jacklyn R. Eckenburg	Edwin Koster (M)	Grass Valley, P. O. Box 1019	
Oakdale	Stanislaus, San Joaquin	3,100	1,900	5,000	Victor O. Wedegaertner	G. W. Quinley	A. C. Holbrook (M)	Oakdale, P. O. Box 188	
Orange Cove	Fresno, Tulare				Harvey S. Chase	A. J. Vortmann	A. J. Vortmann (M)	Orange Cove, P. O. Box 308	
Oroville-Wyandotte	Butte	8,330	13,100	21,770	Gordon Riggs	Charles H. Hauser	J. C. Woods (M)	Oroville, P. O. Box 229	
Palmdale	Los Angeles	18,000	2,000	20,000	Dr. James J. Sloan	Dr. Francis H. Bourne	Lowell W. Felt (M)	Palmdale, 2005 E. Av. Q	
Palm Ranch	Los Angeles	0	2,650	2,650	O. P. Dyar	Josephine Reeslund	John L. Hilgendorf (M)	Quartz Hill, P. O. Box 3396	
Palo Verde	Riverside, Imperial	7,500	9,000	16,500	Virgil L. Jones	L. S. Shipley	J. E. Blakemore (M)	Blythe, P. O. Box 38	
Paradise	Butte	15,000	0	15,000	Glenn R. Smith	Lorena Richardson	William B. Steele (M)	Paradise, P. O. Box 128	
Pixley	Tulare	---	---	---	J. W. White	Helen M. Thompson	W. A. Alexander (M)	Pixley, P. O. Box 477	
Porterville	Tulare	0	2,750	2,750	Guido Lombardi	Walter R. Groshong	Walter R. Groshong (M)	Porterville, P. O. Box 1248	
Potter Valley	Mendocino	160	100	260	J. Cedric Thornton	Ernest C. Pauli	Erwin Wipf (M)	Potter Valley, Main St.	
Princeton-Codova-Glenn	Colusa-Glenn	400	800	1,200	L. G. Huffmaster	Clyde H. Larimer	Raymond L. Olson (M)	Princeton, P. O. Box 98	
Provident	Colusa-Glenn	0	55	55	Walter Michael	T. E. Balch	Lloyd Garbutt (M)	Willows, P. O. Box 191	
Ramona	San Diego	5,360	0	5,360	Ray West	Mrs. Johan G. Mitchell	Elbert N. Ritchie (M)	Ramona, 202 Sixth St.	
Richvale	Butte	250	100	350	Glen R. Harris	Loyd E. Horn	Richvale, P. O. Box 117		
Rivervale	Promo	3,500	2,000	5,500	Fred A. Hancock	Lucille R. Lawton	Orval Rhodes (M)	Riverdale, P. O. Box 683	
San Dieguito	San Diego	---	---	28,000	Damon P. Cook	Stanley T. Mills	Charles H. Bonser (M&E)	Encinitas, P. O. Box 59	
Santa Fe	San Diego	---	8,500	8,500	R. E. Badger	Ralph M. Haney	Ralph M. Haney (M)	Rancho Santa Fe, P.O. Box 409	
Saucelito	Tulare	---	450	450	Robert O. McCloskey	Daisy J. Hudson	Daisy J. Hudson (M)	Porterville, 20712 Avenue 120	
Scott Valley	Siskiyou	---	130	130	Frank H. Bryan	R. M. Berry	P. R. Hughes (M)	Fort Jones, P. O. Box 17	
Serrano	Orange	1,200	0	1,200	J. B. Holditch	F. H. Collins	N. H. Wilson (M)	Villa Park, 18021 E. Lincoln	
Shafters-Wasco	Kern	12,500	5,100	17,600	John J. Peters, Jr.	Robert C. Dilts	Robert C. Dilts (M)	Wasco, P. O. Box 158	
Solano	Solano	32,500	2,900	35,400	W. Morris Dally	James E. Wiggins	Joseph Summers (E)	Vacaville, P. O. Box 536	
South Bay	San Diego	---	---	---	Lloyd L. Lee	Walter R. Carey	Walter R. Carey (M)	Chula Vista, 371 E. St.	
South Fork	Modoc	0	125	125	Master Ramsey	M. E. Walls	R. W. Wickenden (E)	Alturas, P. O. Box 1527	
South Montebello	Los Angeles	9,000	0	9,000	Carl M. Cummings	Patricia D. Sinclair	Blair C. Glancy (M)	Montebello, 864 W. Washington	
South San Joaquin	San Joaquin	18,000	11,000	29,000	George F. Von Glahn	Alice V. Hall	E. J. Johnson (M&E)	Manteca, P. O. Box 71	
Stinson	Fresno	10	25	35	William H. Noble	Robert L. Smith	-----	Kerman, P. O. Box 611	
Stone Corral	Tulare	150	150	300	Gordon H. Garland	E. D. Price	Clyde Snow (M)	Visalia, 37656 Road 1/2	
Stratford	Kings	250	700	950	Mike Dufur	C. W. Jennings	George Clark (M)	Stratford, P. O. Box 665	
Table Mountain	Butte	---	23	23	Margaret B. Chaffin	Jeannie R. Chaffin	George R. Chaffin (M)	Oroville, Rt. 1, Box 153	
Terra Bella	Tulare	950	800	1,750	Ralph Tyrrell	Ernest W. Taylor	Clifford E. Trotter, Jr. (M)	Terra Bella, P. O. Box 176	
Thermalito	Butte	6,000	0	6,000	Bert K. Daily	Thelma Pryor	F. Bentley Brownell (M)	Oroville, 1985 4th St.	
Tranquillity	Presno	800	750	1,550	William E. Glotz	Harry Killingsworth, Jr.	Albert Keith Miller (M)	Tranquillity, P. O. Box 277	
Tule	Tulare	14,500	5,000	19,500	H. H. Sisson	David L. Zack	L. E. Robertson (M)	Tulare, 1350 West San Joaquin St.	
Tulelake	Lassen	1,200	1,400	2,600	Sam Anderson	Edwin V. Lance	Edwin V. Lance (M)	Tulelake, P. O. Box 787	
Turlock	Modoc, Siskiyou	---	---	59,600	A. M. Crowell	R. S. Tillner	R. V. Meikle (E)	Turlock, P. O. Box 990	
Vandalia	Tulare	0	114	114	J. H. O. Emery	Marjorie M. Meier	Orval L. Leming (M)	Porterville, P. O. Box 1026	
Vista	San Diego	23,000	14,000	27,000	Thomas J. Adams	Leroy A. Wright	John W. Collins (M)	Vista, P. O. Box 1088	
Walnut	Los Angeles	---	---	---	Charles Grace	Catherine L. Corbin	George Johnston (M)	Downey, 9570 Gallatin Rd.	
Waterford	Stanislaus	2,000	1,500	3,500	Isaac F. Bashir	Cecil O. Hensley	William F. Lehmkohl (M&E)	Waterford, P. O. Box 197	
West Side, The	San Joaquin	7,275	1,650	8,925	Ernest J. Pombo	Wyssy R. Hansen	W. F. Woolley (E)	Tracy, P. O. Box 177	
West Stanislaus	Stanislaus	500	2,000	2,500	Walter Rector	Lawrence D. Harrison	W. F. Woolley (M&E)	Westley, P. O. Box 37	
Woodbridge	San Joaquin	25,000	40,000	65,000	S. W. Beckman	Mable Hall	K. S. Welsh (M)	Lodi, Route 2, Box 118	

WATER STORAGE DISTRICTS

Arvin-Edison	Kern	No report	----	----	Forrest Frick	Herschell W. Graves	Owen F. Goodman	G. L. Henderson (M)	Bakersfield, 2901 H Street
Belridge	Kern	No report	1,200	3,500	George L. Henderson	Gino Torigliani	J. E. Woolsey	Harold K. Russell (M&E)	Buttonwillow, 525 N. Main Street
Buena Vista	Kern	No report	----	----	L. F. Freeborn	Jane Mathews	Burnham Enersen	Glen E. Stanfield	Bakersfield, P. O. Box 1195
North Kern	Kern	No report	----	----	Glenn E. Stanfield	A. L. Bussel	Oran W. Palmer	Thomas M. Maddock (M&E)	Bakersfield, 1601 H Street
Rosedale-Rio Bravo	Kern	No report	----	----	Paul Enns	Gino Chicca	J. K. Abercrombie	R. M. Edmonston (E)	Bakersfield, 2711 L Street
Semitropic	Kern	No report	----	----	Sam Barling	Dan Hadsell	Ralph Macdonald (E)	R. M. Edmonston (E)	Corcoran, 1109 Norbow Avenue
Tulare Lake Basin	Kings, Tulare	No report	----	----	Louis T. Robinson	Stephen Pilobos	Price Giffen	Stoddard, Karrer & Banks (E)	Fresno, P. O. Box 4006
Westplains	Fresno, Kings	No report	----	----	Onie Sanders	Oran W. Palmer	Oran W. Palmer	R. M. Edmonston (E)	Bakersfield, 359 Haberfelds Bldg.
Wheeler Ridge-Maricopa	Kern	No report	----	----					

* Inactive
e Estimated(M) Manager
(E) Engineer





